

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): SONTI et al.

SERIAL NO.: To Be Assigned ART UNIT:

FILING DATE: Herewith EXAMINER:

TITLE: METHOD AND APPARATUS FOR STRENGTHENING OF POWDER  
METAL GEARS BY AUSFORMING

ATTORNEY

DOCKET NO.: 215P011709-US (PAR)

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
(37 C.F.R. §1.97(b)(3))

Sir:

This Information Disclosure Statement is filed together with the above-identified patent application. Thus, a certification under 37 C.F.R. 1.97 (e) or fee under 37 C.F.R. 1.17(p) is not required for the information herein to be considered.

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application. Applicants' Attorney is aware of the following references:

US 5,711,187  
US 5,221,513  
US 5,391,862  
US 5,451,275  
US 5,656,106  
US 5,799,398  
US 6,007,762  
US 6,126,892

US 6,264,768

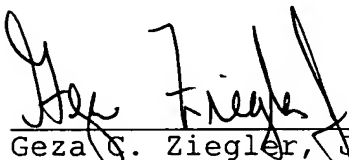
Advances in Powder Metallurgy - 1991, volume 3, pages 159-170  
Advances in Powder Metallurgy & Particulate Materials - 1992,  
volume 2, pages 355-363  
Advances in Powder Metallurgy & Particulate Materials - 1996,  
volume 4, pages 491-500  
Advances in Powder Metallurgy & Particulate Materials - 1996,  
volume 4, pages 451-461

Copies of these references are enclosed together with a Form PTO-1449.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,



Geza C. Ziegler, Jr.  
Reg. No. 44,004

17 March 2004  
Date

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**INFORMATION DISCLOSURE  
CITATION FORM FOR  
PATENT APPLICATION  
(FORM PTO-1449)  
(Substitute)**

Docket No.: 215P011709-US (PAR)

Serial No.:

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Group:

**U.S. PATENTS**

| Initials | Patent Number | Issue Date | Name           | Class | Sub-class | Filing date |
|----------|---------------|------------|----------------|-------|-----------|-------------|
|          | 5,711,187     | 01/27/98   | Cole et al.    | 74    | 434       |             |
|          | 5,221,513     | 06/22/93   | Amateau et al. | 266   | 81        |             |
|          | 5,391,862     | 02/21/95   | Amateau et al. | 219   | 667       |             |
|          | 5,451,275     | 09/19/95   | Amateau et al. | 148   | 573       |             |
|          | 5,656,106     | 08/12/97   | Amateau et al. | 148   | 586       |             |
|          | 5,799,398     | 09/01/98   | Amateau et al. | 29    | 893.32    |             |
|          | 6,007,762     | 12/28/99   | Amateau et al. | 266   | 118       |             |
|          | 6,126,892     | 10/03/00   | Amateau et al. | 266   | 118       |             |
|          | 6,264,768     | 07/24/01   | Sonti et al.   | 148   | 567       |             |

**U.S. PATENT PUBLICATIONS**

| Initials | Publication No. | Pub. Date | Name | Class | Sub-class | Filing Date |
|----------|-----------------|-----------|------|-------|-----------|-------------|
|          |                 |           |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| Initials | Document Number | Date | Country | Name | Translation?<br>Yes/No/n/a |
|----------|-----------------|------|---------|------|----------------------------|
|          |                 |      |         |      |                            |

**OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)**

|  |                                                                                                                                                                                        |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Puskar, et al., "Microstructure and Mechanical Response of Ausformed Steel Surfaces", Advances in Powder Metallurgy and Particulate Materials, 1996, volume 4, part 13, pages 491-500. |
|  | Sonti, et al., "A Case Study of an Ausformed Helical Pinion Gear", Advances in Powder Metallurgy and Particulate Materials, 1996, volume 4, part 13, pages 451-461.                    |
|  | Queeney, et al., "Mechanical response of Surface-Ausrolled Sintered Steel", Advances in Powder Metallurgy, 1991, volume 3, pages 159-170.                                              |
|  | Kuplen, et al., "Ausrolling Sintered Steels for Bearing Elements", Advances in Powder Metallurgy and Particulate Materials, 1992, volume 2, pages 355-363.                             |
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|  |                                                                                                                                                                                        |

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.

Include a copy of this citation form with your next correspondence to the Applicant(s).